PATENT ABSTRACTS OF JAPAN

(11)Publication number: 2001-068818

(43) Date of publication of application: 16.03.2001

H05K 3/00 (51)Int.Cl.

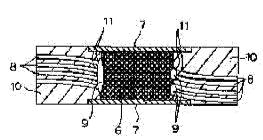
> H05K 1/02

> H05K 1/11

> H05K 3/40

(71)Applicant: KYOCERA CORP (21)Application number : **11-244499** (22) Date of filing: 31.08.1999 (72)Inventor: HAYASHI KATSURA

(54) WIRING BOARD AND ITS MANUFACTURE



PROBLEM TO BE SOLVED: To obtain a wiring board capable of high density formation of viahole conductors by improving insulation reliability between neighboring viahole

conductors.

(57) Abstract:

SOLUTION: An insulating board 4 is formed by impregnating woven fabric 2 or unwoven fabric formed of glass fiber 8 with thermosetting resin 3, and penetrating holes 5 are formed in the board 4. In a wiring board 1 having viahole conductors 6 formed by filling the penetrating holes 5 with conductive paste containing metal powder, end portions of the glass fiber 8 exposed on the wall surface of the viahole conductors 6 form lumps 9 having a minimum diameter larger than or equal to 1.2 times the diameter of the glass fiber 8. The boundary part between the glass fiber 8 and the thermosetting resin 3 on the viahole conductor 6 wall surface is sealed with the lumps 9.